

2

Docket No. USF-T136
Serial No. 09/444,711

In the Claims

Claims 1-69 (Cancelled)

Claim 70 (New):

An isolated polynucleotide encoding a mutant c-Src polypeptide, wherein said mutant c-Src polypeptide comprises SEQ ID NO:4.

Claim 71 (New):

The isolated polynucleotide of claim 70, wherein said polynucleotide comprises nucleotides 1 to 1593 of SEQ ID NO:3.

Claim 72 (New):

The isolated polynucleotide of claim 70, wherein said mutant c-Src polypeptide consists of SEQ ID NO:4.

Claim 73 (New):

An isolated polynucleotide encoding a mutant c-Src polypeptide, wherein said polynucleotide comprises nucleotides 1 to 1593 of SEQ ID NO:3, or a full-length complement thereof.

Claim 75 (New):

An isolated transgenic cell having incorporated therein a recombinant construct, wherein said recombinant construct comprises:

- (a) a polynucleotide encoding a mutant c-Src polypeptide, wherein said mutant c-Src polypeptide comprises SEQ ID NO:4; and
- (b) at least one regulatory element operably linked to said polynucleotide.

3

Docket No. USF-T136
Serial No. 09/444,711

Claim 76 (New):

The isolated transgenic cell of claim 76, wherein said polynucleotide comprises nucleotides 1 to 1593 of SEQ ID NO:3.

Claim 77 (New):

The isolated transgenic cell of claim 76, wherein said mutant c-Src polypeptide consists of SEQ ID NO:4.

Claim 78 (New):

The isolated transgenic cell of claim 76, wherein said recombinant construct is an expression vector.

Claim 79 (New):

An isolated transgenic cell having incorporated therein a recombinant construct, wherein said recombinant construct comprises:

- (a) a polynucleotide encoding a mutant c-Src polypeptide, wherein said polynucleotide comprises nucleotides 1 to 1593 of SEQ ID NO:3, or a full-length complement thereof; and
- (b) at least one regulatory element operably linked to said polynucleotide.

Claim 80 (New):

The transgenic cell of claim 79, wherein said recombinant construct is an expression vector.

Claim 81 (New):

An isolated host cell transfected with a polynucleotide comprising a nucleotide sequence encoding a mutant c-Src polypeptide, wherein said mutant c-Src polypeptide comprises SEQ ID NO:4.

Claim 82 (New):

The isolated host cell of claim 81, wherein said nucleotide sequence comprises nucleotides 1 to 1593 of SEQ ID NO:3.

Claim 84 (New):

The isolated host cell of claim 81, wherein said mutant c-Src polypeptide consists of SEQ ID NO:4.

Claim 85 (New):

The isolated host cell of claim 81, wherein said polynucleotide further comprises a promoter operably linked to said nucleotide sequence encoding said mutant c-Src polypeptide.

Claim 86 (New):

An isolated host cell transfected with a polynucleotide comprising a nucleotide sequence encoding a mutant c-Src polypeptide, wherein said nucleotide sequence comprises nucleotides 1 to 1593 of SEQ ID NO:3, or a full-length complement thereof.

Claim 87 (New):

The isolated host cell of claim 86, wherein said polynucleotide further comprises a promoter operably linked to said nucleotide sequence encoding said mutant c-Src polypeptide.

Claim 88 (New):

An oligonucleotide capable of recognizing and distinguishing a mutant c-Src gene from a wild-type c-Src gene, wherein said mutant c-Src gene comprises a polynucleotide encoding a mutant c-Src polypeptide, and wherein said mutant c-Src polypeptide comprises SEQ ID NO:4.

Claim 89 (New):

The oligonucleotide of claim 88, wherein said polynucleotide comprises nucleotides 1 to 1593 of SEQ ID NO:3.

5

Docket No. USF-T136
Serial No. 09/444,711

Claim 90 (New):

The oligonucleotide of claim 88, wherein said mutant c-Src polypeptide consists of SEQ ID NO:4.

Claim 91 (New):

The oligonucleotide of claim 88, wherein said wild-type c-Src gene comprises a polynucleotide encoding a wild-type c-Src polypeptide, wherein said wild-type c-Src polypeptide comprises SEQ ID NO:2.

Claim 92 (New):

The oligonucleotide of claim 88, wherein said wild-type c-Src gene comprises SEQ ID NO:1.

Claim 93 (New):

The oligonucleotide of claim 88, wherein said wild-type c-Src gene comprises SEQ ID NO:1 and said mutant c-Src gene comprises nucleotides 1 to 1593 of SEQ ID NO:3.

Claim 94 (New):

An oligonucleotide comprising SEQ ID NO:5.

Claim 95 (New):

An oligonucleotide capable of recognizing and distinguishing a mutant c-Src gene from a wild-type c-Src gene, wherein said mutant c-Src gene comprises a polynucleotide encoding a mutant c-Src polypeptide, and wherein said polynucleotide comprises nucleotides 1 to 1593 of SEQ ID NO:3, or a full-length complement thereof.

Claim 96 (New):

A diagnostic kit comprising an oligonucleotide capable of recognizing and distinguishing a mutant c-Src gene from a wild-type c-Src gene, wherein said mutant c-Src gene comprises a

6

Docket No. USF-T136
Serial No. 09/444,711

polynucleotide encoding a mutant c-Src polypeptide, and wherein said mutant c-Src polypeptide comprises SEQ ID NO:4.

Claim 97 (New):

The diagnostic kit of claim 96, wherein said polynucleotide comprises nucleotides 1 to 1593 of SEQ ID NO:3.

Claim 98 (New):

The diagnostic kit of claim 96, wherein said mutant c-Src polypeptide consists of SEQ ID NO:4.

Claim 99 (New):

The diagnostic kit of claim 96, wherein said diagnostic kit further comprises a positive control comprising said mutant c-Src gene, and wherein said mutant c-Src gene comprises nucleotides 1 to 1593 of SEQ ID NO:3.

Claim 100 (New):

The diagnostic kit of claim 96, wherein said diagnostic kit further comprises a negative control comprising said wild-type c-Src gene, and wherein said wild-type c-Src gene comprises SEQ ID NO:1.

Claim 101 (New):

The diagnostic kit of claim 96, wherein said diagnostic kit further comprises a positive control comprising said mutant c-Src gene, wherein said mutant c-Src gene comprises nucleotides 1 to 1593 of SEQ ID NO:3; and a negative control comprising said wild-type c-Src gene, wherein said wild-type c-Src gene comprises SEQ ID NO:1.

Claim 102 (New):

The diagnostic kit of claim 101, wherein said wild-type c-Src gene comprises SEQ ID NO:1.

Claim 103 (New):

The diagnostic kit of claim 104, wherein said wild-type c-Src gene comprises SEQ ID NO:1 and said mutant c-Src gene comprises nucleotides 1 to 1593 of SEQ ID NO:3.

Claim 104 (New):

A diagnostic kit comprising an oligonucleotide capable of recognizing and distinguishing a mutant c-Src gene from a wild-type c-Src gene, wherein said oligonucleotide comprises SEQ ID NO:5.

Claim 105 (New):

A diagnostic kit comprising an oligonucleotide capable of recognizing and distinguishing a mutant c-Src gene from a wild-type c-Src gene, wherein said mutant c-Src gene comprises a polynucleotide encoding a mutant c-Src polypeptide, and wherein said polynucleotide comprises nucleotides 1 to 1593 of SEQ ID NO:3, or a full-length complement thereof.

Claim 106 (New):

A method for producing a mutant c-Src protein, said method comprising:

(a) culturing an isolated transgenic cell under conditions suitable for expression of the mutant c-Src protein, wherein the isolated transgenic cell has incorporated therein an expression vector comprising a polynucleotide encoding the mutant c-Src protein and at least one regulatory element operably linked to said polynucleotide, wherein the mutant c-Src protein comprises SEQ ID NO:4; and

(b) recovering the mutant c-Src protein from the isolated transgenic cell or cell culture.

Claim 107 (New):

The method of claim 106, wherein the polynucleotide comprises nucleotides 1 to 1593 of SEQ ID NO:3.

Claim 108 (New):

The method of claim 106, wherein the mutant c-Src protein consists of SEQ ID NO:4.

Claim 109 (New):

A method for producing a mutant c-Src protein, said method comprising:

(a) culturing an isolated host cell under conditions suitable for expression of the mutant c-Src protein, wherein the isolated host cell has been transfected with a polynucleotide comprising a nucleotide sequence encoding the mutant c-Src protein, wherein the mutant c-Src protein comprises SEQ ID NO:4; and

(b) recovering the mutant c-Src protein from the isolated transgenic cell or cell culture.

Claim 110 (New):

The method of claim 109, wherein the polynucleotide further comprises a promoter operably linked with the nucleotide sequence encoding the mutant c-Src protein.

Claim 111 (New):

The method of claim 109, wherein the polynucleotide comprises nucleotides 1 to 1593 of SEQ ID NO:3.

Claim 112 (New):

The method of claim 109, wherein the mutant c-Src protein consists of SEQ ID NO:4.